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IN THE CLAIMS

1. (currently amended) A parallel operation system of transmission amplifiers, comprising:

first and second transmission amplifier units which receive a common input ~~signals for~~
~~outputting signal and output respective~~ amplified signals ~~from respective ones~~; and

a coupling unit which combines outputs of the first and second transmission
~~amplifiers~~units, to provide as its output;

the first and second transmission amplifier units each including:

a main amplifier; and

a modulation unit disposed on the input side of the main amplifier; wherein

the output of either one of the modulation units included in the first and second
transmission amplifier units is fed ~~in-commonly~~ to the main amplifiers included in the first and
second transmission amplifier units.

2. (currently amended) The parallel operation system of transmission amplifiers
according to claim 1, further comprising a switch interposed between the main amplifier and the
modulation unit included in each of the first and second transmission amplifier units; the switch
being changed over to feed, ~~in-common~~, the output of either one of the modulation units included
in the first and second transmission amplifiers; commonly to the main amplifiers included in the
first and second transmission amplifier units.

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3. (currently amended) A parallel operation system of transmission amplifiers, comprising:

first and second transmission amplifier units which receive a common input signals for ~~outputting signal and output respective amplified signals from respective ones~~; and

a coupling unit which combines outputs of the first and second transmission amplifier units, to provide as its output;

the first and second transmission amplifier units each including:

a main amplifier;

a digital pre-distorter disposed on the input side of the main amplifier, for creating distortion anticipated values of the main amplifier to add them to the input signals;

a quadrature modulator which quadrature modulates the output of the digital pre-distorter; and

an up-converter having a local oscillator, for converting the output frequencies of the quadrature modulator; wherein

the output of the up-converter included in one of the first and second transmission amplifier units is fed ~~in~~ commonly to the main amplifiers included in the first and second transmission amplifier units.

4. (currently amended) The parallel operation system of transmission amplifiers according to claim 3, wherein

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the first and second transmission amplifier units each have a down-converter, the output of the coupling unit being fed back via the down-converter to the digital pre-distorters included in the above first and second transmission amplifier units.

5. **(currently amended)** The parallel operation system of transmission amplifiers according to claim 3, further comprising a switch interposed between the main amplifier and the up-converter included in each of the first and second transmission amplifier units; the switch being changed over to feed, ~~in common~~, the output of either one of the up-converters included in the first and second transmission amplifiers, commonly to the main amplifiers included in the first and second transmission amplifier units.

6. **(currently amended)** The parallel operation system of transmission amplifiers according to claim 3, wherein

power is supplied to only one of the up-converters included in the first and second transmission amplifier units, the output of the power supplied up-converter being fed in common to the main amplifiers included in the first and second transmission amplifier units.

7. **(currently amended)** The parallel operation system of transmission amplifiers according to claim 1, further comprising:

an external connector to provide a connection or disconnection between the first transmission amplifier unit, the second transmission amplifier unit, and the coupling unit that

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combines the outputs of the first and second transmission amplifier units, for the output, to thereby effect a switching between the parallel running and the single running.

8. (original) The parallel operation system of a transmission amplifier according to claim 4, further comprising:

an attenuator for adjusting the difference between feedback signal levels to the digital pre-distorter in the parallel and single running.

9. (previously presented) The parallel operation system of a transmission amplifier according to claim 4, further comprising, on the output side of the up-converter, an attenuator for adjusting the difference between feedback signal levels to the digital pre-distorter in the parallel and single running.

10. (currently amended) A parallel operation system of transmission amplifiers, comprising:

first and second systems each having a digital pre-distorter which receives digital signals, having a D/A converter which converts the output of the digital pre-distorter into an analog signal, and having a main amplifier to amplify the outputs of the D/A converter;

a coupling unit which combines the outputs of the main amplifiers of the first and second systems; and

a feedback system including an D/A/D converter which converts the output of the coupling unit into a digital signal, wherein

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the output of the ~~D/A~~A/D converter included in the feedback system is fed back to the digital pre-distorters of the first and second systems, and wherein

the digital pre-distorters of the first and second systems create distortion anticipated values of the main amplifiers as a function of the fed back output level of the coupling unit and add them to the inputted digital signals, for output.

11. (original) A parallel operation system of transmission amplifiers, comprising:
first and second systems each having a pre-distorter which receives analog signals, having an up-converter which multiplies the output of the pre-distorter up to a predetermined frequency, and having a main amplifier which amplifies the output of the up-converter;
a coupling unit which combines the outputs of the main amplifiers of the first and second systems; and
a feedback system including a down-converter which reduces the output of the coupling unit into a predetermined frequency, wherein
a common reference signal is fed to both the up-converter and the down-converter, and wherein

the output of the down-converter included in the feedback system is fed back to the pre-distorters of the first and second systems, and wherein

the pre-distorters of the first and second systems create distortion anticipated values of the main amplifiers as a function of the fed back output level of the coupling unit and add them to the inputted analog signals, for output.

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